

## ABSTRACT

Reserve assessment will be undertaken on the Great PT Putra Satria using the method by comparing the Cross Section of Rule of gradual change and the Rule of nearest point. The goal is to find out how much coal reserves proven by the overall slope of  $35^{\circ}$ - $38^{\circ}$ .

Studied the coal seam A and the seam B with a slope ranging between  $8^{\circ}$ - $13^{\circ}$ . Guidelines for rule of gradual change is done by connecting the cross-sectional one with another, so that each volume calculation is limited by two cross sections and total reserves of 328 540 Ton. Guidelines for rule of nearest point is done by cross border demarcation by half the distance between cross sections and total reserves of 363 182 obtained Ton. Based on the Indonesia National Standard (SNI) SNI 13-6011-1999, coal reserves in the study site can be classified as proven coal reserves (probable coal resources). The overburden with guidelines rule of gradual change for the initial stages of mining in the seam A and the seam B BCM is 2,098,628 and the Guidelines for the rule of nearest point is 2,358,695 BCM. These changes determine the amount of coal reserves.

Key words: *Cross Section, Rule of gradual change, Rule of nearest point*